

Purchasing Receipts

Plex 8/17/2018 10:32 AM dart.Tollis.Andrew



PACKING SLIP/
CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

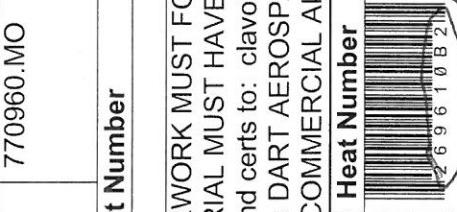
Page 1 of 1

Shipment No:3675394

| Ship From: | Sold To: | Ship To: | Deliver To: |
|---|---|---|---|
| A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN | DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN | DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN | DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN |
| Date Shipped 15-AUG-18 | F.O.B. ORIGIN | Freight Terms Prepaid | Carrier MANITOULIN |

Shipment Details

Final Destination Branch - TOR

| Order No | Line No | Item No | Description | | | | |
|-------------------|---|---|--|-----|------------|-------------|------------------|
| 5214668 | 4 | 770960.MO | 0.0900.SH.2024.T3.ALUMINUM.BARE.48.0000.144.0000 - PROTECTIVE VINYL COATING SPECIFICATIONS: AMS-QQ-A-250/4 | | | | |
| Purchase Order No | Part Number | Ordered Qty | Invoice Qty | | | | |
| 40612 | | 3.00 PCS | 3.00 PCS | | | | |
| Details | ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS | | | | | | |
| Delivery No. | Mill/Source | Heat Number | Mech Id | PCS | Width (IN) | Length (IN) | Shipped Qty(LBS) |
| 122017066 | KAISER ALUMINUM |  269610824 | | 3 | | | 188.6792 |

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A. M. Castle & Co. within 60 days of the shipment. Material sent to the customer or material cut by the customer at the customer's option may not be returned for credit.
Reviewed by Authorized Castle Metals Representative. 
AUG 15 2018 Date: Name: **SUE KALOUS**
1205 TO

Date Printed: 15-AUG-2018 02:47:25 PM



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO040612

| | | | |
|------------------|--|---------------------------------|--|
| Supplier: | MEC002-VU Metaux Castle P.O. Box 4090 Stn A Toronto ON M5W 0E9 Canada | PO No: | PO040612 |
| | | PO Date: | 7/26/18 |
| | | Due Date: | 8/24/18 |
| | | Purchase Order Revision: | |
| | | Revision Date: | |
| | | Ship-To Contact: | Lavoie, Chantal Phone: clavoie@dartaero.com |
| Ship To: | 1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200 | Via: | Ground |
| | | Pymt Terms: | Net 30 |
| | | Freight Terms: | |
| | | Special Comments: | |

Items

| Line Item | Job | Part | Supplier Part No | Description | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
|---|-----|---------------------|------------------|--|----------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 4 | | M7075T6S1.750X2.250 | | 7075-T6 Sheet 1.750" X 2.250" : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft | Firmed - | | 8/24/18 | 43.75 ft | 0 ft | 44 ft | \$40.86/ft | \$1,787.63 |
| Line Item Note 20 pc - 48.25" long | | | | | | | | | | | | |
| 5 | | M7075T6S1.250X2.750 | | M7075T6S1.250" X2.750" Cut From Plate : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 receive ft | Firmed - | | 8/24/18 | 12 ft | 0 ft | 12 ft | \$31.20/ft | \$374.40 |
| 6 | | M7075T6S0.375X3.000 | | 7075 T6 Sheet 0.375" X 3.000" : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 | Firmed - | | 8/24/18 | 60 ft | 0 ft | 60 ft | \$11.86/ft | \$711.60 |
| 7 | | M7075T6S0.750X4.000 | | 7075 T6 Sheet 0.750" X 4.000" : MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 | Firmed - | | 8/24/18 | 40 ft | 0 ft | 40 ft | \$28.58/ft | \$1,143.20 |

PURCHASE ORDER

| Items | | | | | | | | | | | | |
|---|-----|-----------------------|------------------|--|----------|---------|----------|-----------------|-------------------|---------|------------------|------------------------|
| Line Item | Job | Part | Supplier Part No | Description | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
| 8 | | M7075T6S1.000X1.250 | | 7075 T6 Sheet 1.000X1.250 : MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 receive ft | Firmed - | | 8/24/18 | 12 ft | 0 ft | 12 ft | \$17.15/ft | \$205.80 |
| 13 | | M2024T3S.090 | | 2024-T3 .090 Sheet : MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209 receive sf | Firmed - | | 8/24/18 | 144 sf ✓ 144 sf | 0 sf | 144 sf | \$8.16/sf | \$1,175.04 At 18/08/17 |
| 19 | | M6061T6B2.000X08.000 | | 6061-T6 Bar 2.00' X 8.00" (Cut In 4Ft Section) : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft | Firmed - | | 8/24/18 | 8 ft | 0 ft | 8 ft | \$56.83/ft | \$454.64 |
| Line Item Note cut in section of 4 ft | | | | | | | | | | | | |
| 21 | | M7075T73B1.250X02.000 | | 7075-T73 Bar 1.250" X 2.000" Cut In Billet 30" Long : MATERIAL: 7075-T73 OR 7075-T7351/T73510/T73511 BAR PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9 OR AMS 4124 OR AMS-QQ-A-250/12 OR AMS 4078 receive ft | Firmed - | | 8/31/18 | 25 ft | 0 ft | 25 ft | \$26.10/ft | \$652.50 |
| Line Item Note replacement mat'l for line 9, need RMA to send back mat'l | | | | | | | | | | | | |
| Grand Total: \$6,504.81 | | | | | | | | | | | | |

Order Notes

- Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 part notification by supplier
A043 retention of quality documents
A048 counterfeit parts avoidance, detection, mitigation and disposition program
A049 supplier awareness

CL.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dart aerospace.com for further explanation.

Plex 8/17/18 8:19 AM dart.lavoie.chantal

SHIP TO:
A M CASTLE METALS
4175 ROYAL DRIVE, SUITE 600
KENNESAW, GA 30144

SOLD TO:
AM CASTLE & CO- SOLD TO
1420 KENSINGTON RD
SUITE 220
OAK BROOK, IL 60523

KAISER
ALUMINUM

Trentwood Works

PO Box 15108, Spokane Valley WA 99215-5108
 15000 E Euclid, Spokane Valley WA 99216
 Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
 4516759

| | | | | |
|---------------------------------|---------------------------|---------------------------------|-------------------------------------|---|
| CUSTOMER PO NUMBER: 467951-1 | WORK PACKAGE: | CUSTOMER PART NUMBER: 770960 | SHIP RUN/LOAD: 104317/25 | GOV'T CONTRACT NUMBER: |
| KAISER ORDER NO: 1261507-1 | SHIP DATE: 28-JUN-2018 | ALLOY: 2024 | CLAD: BARE | TEMPER: T3 |
| WEIGHT SHIPPED: 3266 LB | QUANTITY: 52 PCS EST. | TRUCK B/L #: 2074594 | GAUGE: 0.0900 IN (2.2860 MM) | DIAMETER/WIDTH: 48.000 IN (1219.2 MM) |

MHU 2232174: LOT 269610B2: 15 pieces;
 MUH 2238994: LOT 270096B1: 37 pieces;

Certified Specifications

AMS 4037/RevQ
 CMMP 019/RevD

AMS-QQ-A-250/4/RevB
 CMMP 025/RevV

ASTM B 209/Rev14

Test Code: 1504

Lot: 269610B2

Cast 666

Drop 35

Test Results

Ingot 2



Melted in USA

(ASTM E8/B557)

(EN 2002-1)

| Tensile: | Temper | Dir / # Tests | Ultimate KSI (MPA) | Yield KSI (MPA) | Elongation % |
|----------|--------|------------------|----------------------------|----------------------------|--------------|
| | T3 | LT / 2 (Min:Max) | 66.2 : 66.6 (456 : 459) | 45.4 : 45.5 (313 : 314) | 18.0 : 18.0 |

(ASTM E1251)

| Chemistry: | Si | FE | CU | MN | MG | CR | ZN | TI | V | ZR | OTHER |
|-------------|------|------|-----|------|-----|------|------|------|------|------|----------|
| Actual(wt%) | 0.08 | 0.20 | 4.6 | 0.57 | 1.3 | 0.01 | 0.15 | 0.02 | 0.01 | 0.00 | TOT 0.03 |

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

| Tensile: | Temper | Dir / # Tests | Ultimate KSI (MPA) | Yield KSI (MPA) | Elongation % |
|----------|--------|------------------|----------------------------|----------------------------|--------------|
| | T3 | LT / 2 (Min:Max) | 66.7 : 66.7 (460 : 460) | 45.6 : 45.7 (314 : 315) | 18.4 : 19.0 |

(ASTM E1251)

| Chemistry: | Si | FE | CU | MN | MG | CR | ZN | TI | V | ZR | OTHER |
|-------------|------|------|-----|------|-----|------|------|------|------|------|----------|
| Actual(wt%) | 0.06 | 0.17 | 4.6 | 0.58 | 1.3 | 0.01 | 0.11 | 0.02 | 0.01 | 0.01 | TOT 0.02 |

KAISER ALUMINUM

CERTIFIED TEST REPORT

Serial Number
4516759

Trentwood Works

PO Box 15108, Spokane Valley WA 99215-5108
15000 E Euclid, Spokane Valley WA 99216
Phone: (800) 367-2586

ALLOY LIMITS

| | SI | FE | CU | MN | MG | CR | ZN | TI | V | ZR | OTHER | MAX |
|----------|------|------|-----|------|-----|------|------|------|------|------|-------|------|
| 2024 | | | | | | | | | | | | |
| MIN(wt%) | 0.00 | 0.00 | 3.8 | 0.30 | 1.2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | EACH | 0.05 |
| MAX(wt%) | 0.50 | 0.50 | 4.9 | 0.9 | 1.8 | 0.10 | 0.25 | 0.15 | 0.05 | 0.05 | TOT | 0.15 |

Aluminum Remainder

ORDER COMMENTS
AMC A92024-155 R 6

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- * All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- * was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- * has been thermally processed in compliance with AMS 2772, where applicable.
- * is mercury free, within the limits of detection of ASTM E1215 (<1 ppm).
- * is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- * is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- * is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- * is free of weld repair.
- * meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

Michael Peske, PT Lab Process Engineer

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 2024-T3 ALUMINUM SHEET

SPECIFICATION:
QQ-A-2504 OR AMS-QQ-A-2504

OR AMS 4037

OR ASTM B209

PART NUMBER:
M2024T3S|XXX

|THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M2024T3S 063

PREFERRED SIZE:
.XXX BY 4FT BY 10FT

RELEASED
R 2009-05-03
[Signature]

| | | | |
|------------|---|---|--------------|
| B | REFORMAT DWG. ADD ASTM B209 SPEC (ZN 08-1). PAR | CP | 09/07/07 |
| A | NEW ISSUE | DS | 01/09/24 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | <i>[Signature]</i> | DART AEROSPACE LTD | |
| DRAWN | | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | | DRAWING NO | REV. B |
| MFG. APPR. | | M2024T3S | SHEET 1 OF 1 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | 2024-T3 SHEET SPEC | NTS |
| DATE | 09.07.07 | COPYRIGHT © 2009 BY DART AEROSPACE LTD | |
| | | ALL INFORMATION CONTAINED HEREIN IS UNPUBLISHED PROPRIETARY INFORMATION OF DART AEROSPACE LTD. IT MAY NOT BE REPRODUCED, TRANSMITTED, DISCLOSED, OR USED FOR ANY PURPOSE OTHER THAN THE SPECIFIC PURPOSE FOR WHICH IT WAS PROVIDED. NO PART OF THIS DRAWING MAY BE COPIED OR REPRODUCED, IN WHOLE OR IN PART, WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD. | |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M204735.040
 DATE: 18/08/17

PO / BATCH NO.: P0040612/S103237

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 144sf
 QUANTITY INSPECTED: 144sf
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.090"
 THICKNESS RECEIVED: 0.090"
 SHEET SIZE ORDERED: 4x12'
 SHEET SIZE RECEIVED: 4x12'

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|-------------------------------------|-------------------------------------|----------------------|
| | Y | N | |
| SURFACE DAMAGE | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORROSION | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORRECT MATERIAL PER M-DRAWING | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>AMS QQ-A-2504</u> |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| PHOTO REQUIRED | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>H7:269610B2</u> |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW | | | | | |
|--|-----|-----|-------|-------|---------|
| TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING | HRC | HRB | DUR A | DUR D | WEBSTER |
| | | | | | |
| | | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | ENGINEERING SIGNOFF (if required) |
|-------------------------|-----------------------------------|
| INSPECTED BY: <u>AJ</u> | SIGNED OFF BY: _____ |
| DATE: <u>18/08/17</u> | DATE: _____ |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in